

anti-human CD66b FITC-conjugated**Cat-No.: H12451F** **1 ml****Clone:** B13.9

Specificity: This clone has been derived from hybridization of SP2/0 cells with spleen cells of a (BALB/c x A/J) mouse immunized with human granulocytes. This antibody has been clustered to CD66b in the First, Third, Fifth and Sixth International Workshop on Human White Cell Differentiation Antigens. The monoclonal antibody is directed against the CD66b-antigen (CGM6, previous CD67), which is only expressed on the membrane of mature human neutrophil, eosinophil and basophil granulocytes (molecular mass 100 kDa, PI-linked protein). After granulocyte activation the expression is increased. It is absent in PNH patients. The monoclonal antibody reacts with 100% of mature human granulocytes. The monoclonal antibody does not react with normal human peripheral B-cells, T-cells, monocytes and platelets.

Isotype subclass: Mouse IgG1

Form: The antibody was purified from ascites using column chromatography (ion exchange chromatography). Conjugated with fluorescein iso thiocyanate isomer 1 (FITC). Molecular F/P ratio is between 5.0 - 10.0.

Physical state: Liquid**Buffer/Additives/Preservative:** PBS containing 1 % BSA and 0.09 % sodium azide (pH 7.4)**Expiration date:** The reagent is stable until the expiry date stated on the vial label.**Storage conditions:** Store at 4 °C. Do not freeze. Avoid prolonged exposure to light.

Application: Monitoring of mature granulocytes in peripheral blood. Analysis of peripheral blood granulocytes from patients with Paroxysmal Nocturnal Haemoglobinuria (PNH). Methods: Direct immunofluorescence staining with analysis by flow cytometry or fluorescence microscopy.

References:

1. Schoot, C.E. van der, et al., Knapp, W. et al. (editors), Leukocyte Typing IV, 840 (1989).

Warning:

Sodium azide is harmful if swallowed (R22). Keep out of reach of children (S2). Keep away from food, drink and animal feeding stuff (S13). Wear suitable protective clothing (S36). If swallowed, seek medical advice immediately and show this container or label (S46). Contact with acids liberates very toxic gas (R32). Azide compounds should be flushed with large volumes of water during disposal to avoid deposits in lead or copper plumbing where explosive conditions can develop.

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